



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)
Shinji TAKEDA et al.) Atty. Docket No.: TM&K0007
Serial No. 09/785,436)
Filed: February 20, 2001) Group Art Unit: 2813
For: SEMICONDUCTOR DEVICE AND) Examiner: Scott Geyer
PROCESS FOR FABRICATION)
THEREOF) January 3, 2003

RECEIVED
APR - 8 2004
TECHNOLOGY CENTER 2800

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

This is a Supplemental Information Disclosure Statement with regard to the above-identified application. Copies of each of the documents listed in the attached Form PTO/SB/08B are attached.

Documents A-AI are cited in corresponding application numbers 08/875,330 (now U.S. Patent 6,099,678); 09/543,247, 09/785,194, and 09/785,436.

Documents AB-AD, AM-AN, AP-AW were cited in the corresponding Japanese Application No. 2000-346979 in the Notice of Reason for Refusal mailed on October 22, 2002 (Document BK), together with English Translation.

Documents AX-BJ and BM-BP were cited in the corresponding Japanese Opposition for Japanese Patent No. 3215014 (Document BL).

Documents AM, AN and AO are the U.S. counterparts of Jp-5-152466, JP-60-038825 and JP-64-1935 (refs. AR, AV and BB).

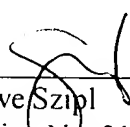
Serial No. 09/785,436

It is respectfully requested that the attached documents be considered and officially cited, and that a copy of the Form PTO/SB/08B, initialed by the Examiner to indicate that the documents have been considered, be returned to the applicants.

This information disclosure statement is being filed with the check covering the government fee of \$180.00. The Commissioner is hereby authorized to charge any fee deficiency or any additional fees which may be further required in this application, or credit any overpayment to Deposit Account No. 501281, under an order number which corresponds to the above attorney docket number.

Respectfully submitted,

GRIFFIN & SZIPL, P.C.



Joerg-Uwe Szimpl
Registration No. 31,799

GRIFFIN & SZIPL, P.C.
Suite PH-1
2300 Ninth Street, South
Arlington, VA 22204

Telephone: (703) 979-5700
Facsimile: (703) 979-7429
Customer No.: 24203



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/785,436	
			Filing Date	February 20, 2001	
			First Named Inventor	Shinji TAKEDA	
			Art Unit	2813	
			Examiner Name	GEYER, Scott	
Sheet	1	of	5	Attorney Docket Number	TM&K0007

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	A	US- 4,358,581	11-09-1982	Sutton, Jr.	
	B	US- 4,656,238	04-07-1987	Kunimune et al.	
	C	US- 4,965,331	10-23-1990	Jackson et al.	
	D	US- 5,234,522	08-10-1993	Suzuki et al.	
	E	US- 5,296,567	03-22-1994	Baumann et al.	
	F	US- 5,728,473	03-17-1998	Inoue et al.	
	G	US- 5,277,972	01-11-1994	Sakumoto et al.	
	H	US- 5,659,004	08-19-1997	Takigawa et al.	
	I	US- 5,238,730	08-24-1993	Hanawa et al.	
	J	US- 5,827,908	10-27-1998	Arai et al.	
	K	US- 6,372,080 B1	04-16-2002	Matsuura et al.	
	L	US- 2001/0015484	08-23-2001	Matsuura et al.	
	M	US- 4,875,279	10-24-1989	Sakiadis	
	N	US- 4,985,105	1-15-1991	Masuda	
	O	US- 5,145,099	09-08-1992	Wood et al.	
	P	US- 5,177,032	01-05-1993	Fogal et al.	
	Q	US- 5,204,399	04-20-1993	Edelman	
	R	US- 5,360,942	11-01-1994	Hoffman et al.	
	S	US- 5,432,380	07-11-1995	Jin et al.	
	T	US- 5,512,628	04-30-1996	Sakumoto et al.	

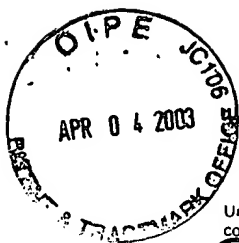
FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	U	JP-7-90239	04-04-1995	Sumitomo Bakelite Co.		
	V	JP-256251	10-17-1990	Matsushita Electron Co.		
	W	JP-54-12266	01-29-1979	Matsubishi Electric Co.		
	X	JP-A-54-138371	10-26-1979	NEC Home Electronics	Abstract Only	
	Y	JP-60-145630	08-01-1985	NEC Corp.		
	Z	JP-06-104300	04-15-1994	Fujitsu Ltd.		
	AA	JP-06-326240	11-25-1994	Hitachi Cable Ltd.		
	AB	JP-5-218107	08-27-1993	Hitachi Ltd.		
	AC	JP-2-256251	10-17-1990	Matsushita Electron Co.		
	AD	JP-5-331424	12-14-1993	Sumitomo Bakelite Co.		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	09/785,436	
			Filing Date	February 20, 2001	
			First Named Inventor	Shinji TAKEDA	
			Art Unit	2813	
			Examiner Name	GEYER, Scott	
Sheet	2	of	5	Attorney Docket Number	TM&K0007

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	AE	US- 5,528,075	06-18-1996	Burns	
	AF	US- 5,635,009	06-03-1997	Kawamura et al.	
	AG	US- 5,793,099	08-11-1998	Murakami et al.	
	AH	US- 5,837,368	11-17-1998	Hiroe et al.	
	AI	US- 5,319,005	06-07-1994	Hagiwara et al.	
	AJ	US- 6,046,072	04-04-2000	Matsuura et al.	
	AK	US- 6,248,613 B1	06-19-2001	Matsuura et al.	
	AL	US- 5,476,908	12-19-1995	Kishi et al.	
	AM	US- 5,250,637	10-05-1997	Shiobara et al.	
	AN	US- 4,581,096	04-08-1986	Sato	
	AO	US- 4,933,219	06-12-1990	Sakumoto et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	AP	JP-5-125337	05-21-1993	Sumitomo Bakelite Co.		
	AQ	JP-5-152386	06-18-1993	Sumitomo Metal Minin		
	AR	JP-5-152466	10-05-1993	Shinetsu Chemical Co.		
	AS	JP-5-335379	12-17-1993	Toray Ind. Inc.		
	AT	JP-3-228	01-07-1991	Hitachi Cable Ltd.		
	AU	JP-62-141038	09-05-1987			
	AV	JP-60-38825	09-05-1987	Sumitomo Metal Minin		
	AW	JP-58-222530	12-24-1983	Hitachi Seisakushokk		
	AX	JP-6-218880	08-09-1994	Mitsui Toatsu Chem In		
	AY	JP-6-264035	09-20-1994	Hitachi Chem Co. Ltd.		

Examiner Signature	Date Considered
-----------------------	--------------------

¹ EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ See Kinds Codes of USPTO Patent Documents at 37 CFR 1.701 or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known	
			Application Number	09/785,436
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Filing Date	February 20, 2001
			First Named Inventor	Shinji TAKEDA
Sheet 4 of 5			Art Unit	2813
			Examiner Name	GEYER, Scott
			Attorney Docket Number	TM&K0007

U.S. PATENT DOCUMENTS					
Examiner Initials ²	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ³ (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials ²	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	BJ	EP 0 837 498 A1	04-22-1998	Hitachi Chem Co., Ltd.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 37 CFR 1.701 or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Q.I.P.E. JC106
APR 04 2003
PATENT & TRADEMARK OFFICE

PTO/SB/08B (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

+

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/785,436
		Filing Date	February 20, 2001
		First Named Inventor	Shinji TAKEDA
		Group Art Unit	2813
		Examiner Name	GEYER, Scott
		Attorney Docket Number	TM&K0007
Sheet	5	of	5

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	BK	Japanese Appln. No. 2000-346979 - Notice of Reason For Refusal mailed on 10/22/2002 together with English Translation	
	BL	References cited in an opposition in Japanese Patent No. 3215014	
	BM	Fig. 1 (Water Absorption (volume %), Saturation Moisture Absorption)	
	BN	Surface Energy, page 538, Chemical Dictionary 7, Kyoritsu Publishing Co.	
	BO	Thermodynamic Equilibrium of Wetting, page 1235, Chemical Handbook Applied Chemistry II, October 15, 1986, Maruzen Co.	
	BP	"Rubber Elastomer Utility Notes", relates to types of rubber and their chemical structure and properties, July 20, 1991.	

RECEIVED
APR - 8 2004
TECHNOLOGY CENTER 2800

Examiner Signature	Date Considered
--------------------	-----------------

¹EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+